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L4: Entry 6 of 6

File: USPT

Dec 7, 1982

US-PAT-NO: 4362069

DOCUMENT-IDENTIFIER: US 4362069 A

TITLE: High efficiency, abrasion resistant product and process

DATE-ISSUED: December 7, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Giatras; James L.	Spring City	PA	N/A	N/A
Golas; Edward B.	Conshohocken	PA	N/A	N/A
Reed; Wayne F.	Norristown	PA	N/A	N/A

US-CL-CURRENT: 74/502.5; 264/122, 264/127, 428/34.5, 428/34.9,  
428/35.8, 428/36.9, 428/368, 428/372, 428/379, 428/389, 428/398

## ABSTRACT:

A fluorocarbon composite is provided for use as liners and particularly for use as wire insulation and in extruded tubing for push-pull cable assemblies. The composite has excellent anti-friction and abrasion-resistant properties and can be utilized in environments requiring operation over a wide range of temperatures and load conditions, including high temperature applications. The composition comprises a mixture of a polymer of tetrafluoroethylene and a polymer of arylene sulfide, which mixture may also include a filler.

21 Claims, 2 Drawing figures Exemplary Claim Number: 1,18  
Number of Drawing Sheets: 2

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DWPI	L1 and (\$4tetrafluoroethylene or teflon)	2	<u>L2</u>
DWPI	motion transmi\$6 and (cable or tube)	296	<u>L1</u>

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USPT	L2 and push and pull	6	<u>L4</u>
USPT	L2 and motion transmi\$6	0	<u>L3</u>
USPT	L1 and (polytetrafluoroethylene or teflon)	1565	<u>L2</u>
USPT	428/421 or 428/422	3747	<u>L1</u>